Public Works (1901) Department.

G.O., No 326-7 / 327

DATED 19-10-1901.

[Despatch Abstract.]

Quarters for the Sub Overseer at Kallandri, Periyar System

A revised estimate, amounting to Rs.2,755 inclusive of establishment charges for constructing ---- with telephone room, sanctioned with remarks and a copy of the Proceedings ordered to be forwarded to the Govt. of India for information.

——— ditto ———

Forwarding to the Govt. of India a copy of the Proceedings sanctioning a revised estimate, amounting to Rs.2,755 inclusive of establishment charges for constructing ---- with telephone room.

7-80 | 18/8/28

[P.W. 9. 2,000—3-7-07.]

Indexed.

Registered as 55 of 1911-12

M.L. 20/10/11

M / 20/10/11

Government of Madras.

PUBLIC WORKS DEPARTMENT

IRRIGATION.
ACCOUNT.

Recd.	1911.	*Enclosures*
Regd.		*Spare copies*

G.O. Nos. 326, 327 I., 19th October 1911.

Quarters for the Sub-Overseer at Kallandri, Periyar system

Forwarding to the Government of India a copy of the Proceedings sanctioning a revised estimate, amounting to Rs. 2,755 inclusive of establishment charges for constructing — with telephone room.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

I

G.O. No. 434 I., dated 23rd November 1908.

Abstract.—Sanctioning estimates aggregating Rs. 8,889 for the construction of quarters for certain subordinates employed on the Periyar system.

II

Letter—from C. Mildred, Esq., A.M.I.C.E., Superintending Engineer, VI Circle.
To—the Chief Engineer for Irrigation.
Dated—Trichinopoly, the 27th July 1911.
No.—821 C.E.

I have the honour to forward herewith for your approval and sanction of Government a revised estimate amounting to Rs. 2,240 for constructing quarters with telephone room for the Sub-Overseer at Kallandri in the Madura district.

2. The excess of Rs. 690 over the estimate sanctioned in G.O. No. 434 I., dated 23rd November 1908 and for which sanction of Government is now required is due partly to the increased rates now allowed for certain items in the revised estimate and partly due to the reconstruction of the walls, etc., which collapsed during the heavy and continuous rain in November 1910 as neither the plaster in the walls had set nor the roof was put on at that time—please *vide* Executive Engineer's letter No. 1047 S.E., dated 10th November 1910 (copy enclosed). As the cost of reconstruction is no legitimate charge on the work and was necessitated by an accident, a sum of Rs. 610 detailed below should be written off with reference to Public Works Department Code, paragraph 919, rule I (*h*) lest the capital cost of the residential building be excessive :—

	RS.
(*a*) Demolishing the collapsed and cracked portion of the building, item 8 in the revised estimate	30
(*b*) Stone in mud with old stone, item 4	99
(*c*) Stone in mud with new stones, item 5	266
(*d*) Stone in mortar top of walls, item 7	28
(*e*) Scaffolding charges, item 9	22
(*f*) Plastering at Rs. 3 per square foot, item 18	50
(*g*) Removing and fitting roof timbers with nails	49
(*h*) Loss of 1/3 flat and pan tiles stacked near the walls	36
(*i*) Loss on petty supervision at 5 per cent	29
Total ...	609

The total amount of the revised estimate will be distributed as follows :—

	RS.
(i) Quarters	1,830
(ii) Telephone room	410
Total ...	2,240

As the construction of the building is approaching completion, I request that the sanction of Government to the revised estimate may be obtained at an early date.

ENCLOSURES.

Letter—from V. HART, Esq., Officiating Executive Engineer, Madura division.
To—the Superintending Engineer, VI Circle.
Dated—the 10th November 1910.
No.—1047-S.E.

I have the honour to state that I have inspected Kallandri Sub-Overseer's quarters which were under construction on 3rd November 1910 on account of a telephone message I received to the effect that the rear main wall of the building had collapsed.

2. When I inspected I found the rear main wall had almost completely fallen down and there were several cracks in the front main wall.

3. The roof timbers and reepers had been fitted up and tiling was about to be started, when heavy rains set in.

4. The walls were built of stone in mud, plastered inside and pointed outside; all the plastering, etc., was practically completed.

5. The cause of the failure is due to the heavy rain soaking into the mud and gradually sinking into the wall. When the mud got supersaturated, the water made its way through the pointing and plaster and the mud got washed out, the result of course being the collapse of the wall. Bond stones did not appear to have been very much used; however I am quite satisfied that no one could be held responsible for the failure. The top of the walls had been covered with cocoanut leaves but these appear to have been no protection. I have issued orders to dismantle the roof and also the walls as it is not desirable to leave them in their present state.

6. I strongly suggest rebuilding the bungalow in mortar. This was the original provision in the estimate; but it was changed by Mr. DeChazal in his Nos. 124/S. and 125/S., dated 11th January 1909 to the Sub-Overseer, Kallandri and Sub-division officer, Periyar, respectively.

7. I request your approval to my order to dismantle the walls, etc. The total value of the labour expended on constructing the walls which are to be demolished *plus* cost of mud, etc., will be approximately Rs. 150.

Rebuilding the work in mortar will cost Rs. 280 including plastering and pointing.

Report to accompany the revised estimate for constructing a Sub-Overseer's quarters at Kallandri.

	RS.
Amount of estimate	2,240

An estimate for this work was sanctioned in Reg. No. 236 of 1908–1909 and the work was begun. The walls were nearing completion in November last (*vide* this office No. 1047, dated 10th November 1910) when owing to very heavy rains on the incompleted work, and to the fact that the masonry was only stone in mud, portions of the walls collapsed. The building had therefore to be dismantled to basement level and the compound wall which was also washed out to 3 feet in height had also to be dismantled. It is now proposed to rebuild the walls as per standard specification. This estimate considerably exceeds the old one and the excess is chiefly due to the fact that it is now proposed to build of large stone which has to be carted to the site, the old stones which were carted from the Alagar hill quarry being mostly too small to be used in good class masonry. The original estimate provides only mud floor. As it is not suitable for office room, hall, verandah, etc. a 6″ concrete floor (approved by Executive Engineer in No. 853/S., dated 14th March 1911) plastered with cement is proposed and the excess under this item is small (Rs. 75).

Roofing.—Many of the old tiles are broken. The estimate therefore provides for one-third new tiles. The excess under this item is Rs. 176. The excess in other items are explained in the comparative statement. The work is now in rapid progress and masonry is nearly finished.

J. M. PARKER,
Executive Engineer, Madura division.

27th April 1911.

Report accompanying the original estimate for constructing a Sub-Overseer's quarters at Kallandri.

	RS.
Amount of estimate	1,550

Suitable quarters are not available either at Kallandri or close by and it is essential for the proper performance of his duty that the Sub-Overseer should reside in the neighbourhood of his work. Estimates and plans for quarters are submitted for sanction.

The cost of land to be taken up for the construction of the quarters has been fixed in consultation with the Special Deputy Collector, Periyar Works, Madura, as per his Dis. No. 443, dated 23rd May 1906. The work will be carried out in accordance with the standard specification of the department.

A. R. DECHAZAL,
Executive Engineer, Madura division.

21st November 1907.

ESTIMATE FORM—Comparative statement of differences.

Description of work.	Original estimate.			Revised estimate.			More.	Less.	Explanation of difference.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.			
1	2	3	4	5	6	7	8	9	10
Revised estimate for constructing a Sub-overseer's quarters at Kallandri.		RS. A. P.	RS.		RS. A. P.	RS.	RS.	RS.	
1. Concrete broken stone in mortar	986	12 8 0	123	986	14 8 0	143	20	..	1. The rate is as per actual execution.
2. Burnt stone in mortar	2,666	16 8 0	440	900	16 8 0	149	400 (items 2 to 7)	..	2 and 3. These were constructed before November 1910 rains. The sides of doors and windows were built of stone in mortar and the rest of mud.
3. Burnt stone in mud	718	13 0 0	93	2,484	14 12 0	366			
4. Coursed rubble stone in mud with old stones and new bond stones.	..	..	..	880	11 4 0	99			4 to 7. Reconstruction of walls as per instructions laid down in Superintending Engineer's Memo. No. 6404, dated 15th November 1910. This had to be done as the walls fell down in the rains of November 1910. *Vide* this office No. 1047 S.E., dated 10th November 1910. Data statement for rates attached.
5. Do. with new stones ..	..	..	..	1,080	24 10 0	266		..	
6. Do. without bond stones for compound wall.	..	..	..	290	8 12 0	25			
7. Do. in mortar top 1 foot of walls.	..	..	..	225	12 8 0	28			
8. Dismantling masonry	..	..	..	2,197	1 6 0	30	30	..	8. Found necessary.
9. Scaffolding charges for rebuilding	..	..	..	2,167	1 0 0	22	22	..	9. The data does not include for this, hence separate provision.
10. Cutstone work	14	0 8 0	22	86·30 (items 10 to 13)	0 7 6	40	..	..	10 to 13. There is no difference.
11. Pillars $\frac{3}{4}' \times \frac{3}{4}' \times 7'$	7	1 8 0	11						
12. Pillars $\frac{3}{4}' \times \frac{3}{4}' \times 6\frac{1}{4}'$	4	1 4 0	5						
13. Cutstone work in compound wall	3	0 8 0	2						
14. Coping to the compound wall	$66\frac{1}{2}$	0 4 0	17	$66\frac{1}{2}$	0 4 0	17	..	..	14 and 15. No remarks. Work not done.
15. Pointing with mortar main building and compound wall.	2,263	1 8 0	34	2,263	1 8 0	34	..	..	
16. Plastering with mortar one coat	1,662	1 8 0	25	1,600 (items 16 and 17)	1 8 0	24	..	4	16 and 17. Plastering work alone was done.
17. Whitewashing	1,662	0 3 0	3						
18. Plastering with mortar one coat and whitewashing ..	..			1,669	3 11 0	61	61	..	18. Cost of redoing for reasons shown in items 4 to 7 above.
19. Flooring with mud	667	0 8 0	3	..	..	..	..	3	19 and 20. The floor was ordered to be done of concrete as mud floor will not do for the locality and the Executive Engineer issued orders to Sub-divisional officer in No. 858 S., dated 14th March 1911 approving the deviation and
20. Flooring with concrete 6″ thick	..	..	..	667	4 14 0	33	33	..	
21. Plastering with cement ½″ thick	..	..	..	755	6 0 0	45	45	..	21. To plaster the floor with ½″ cement.
22. Country wood doors	90	0 10 0	56	90	1 0 0	90	34	..	22 to 26. These wood works were supplied by Messrs. Chisholm Ewart & Co. and the rates entered as per actuals.
23. Jungle wood doors in the compound wall	18	0 6 0	7	18	0 6 0	7	..	..	
24. Country wood windows	42	1 0 0	42	42	1 0 0	42	..	..	
25. Country wood wrought and put up	82·76	2 12 0	228	82·76	3 4 0	269	41	..	
26. Roofing with flat and pan tiles over teak reepers and chunam borders.	1,351	12 8 0	169	1,351 1,351	11 12 0 13 12 0	159 186	176	..	26. Roofing partly put up once fell down, had to be redone. Hence excess.
27. Earthwork	Lump sum.		8		Lump sum.	8	..	..	
28. Tarring two coats..	"		10	1,500	0 10 0	10	..	..	
Carried over ..	..	..	1,298	..	..	2,153	862	7	

Estimate Form—Comparative statement of differences—*cont.*

Description of work.	Original estimate.			Revised estimate.			More.	Less.	Explanation of difference.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.			
1	2	3	4	5	6	7	8	9	10
		RS. A. P.	RS.		RS. A. P.	RS.	RS.	RS.	
Brought forward ..	..	..	1,298	..	..	2,153	862	7	
Revised estimate for constructing a Sub-Overseer's quarters at Kallandri—cont.									
29. Cactus hedge all round	614	0 0 4	13	614	0 0 4	13	..	..	
30. Clearing the compound	..	Lump sum.	5	..	Lump sum.	5	..	..	
31. Demarcation stones	..	"	10	4	2 8 0	10	..	..	32. A waste land is given in exchange and hence this item is not necessary.
32. Wet land to be acquired	0·50	250 0 0 per acre.	125	..	..	..	..	125	
	..	..	1,451	..	..	2,181	862	132	
33. Contingencies	..	..	69	..	..	9	..	60	
34. Petty supervision	..	..	80	..	..	50	20	..	
Grand Total ..	..	..	1,550	..	..	2,240*	882	192	
Deduct—Amount sanctioned in Circle Register No. 236 of 1908–1909.	..	..	..	..	..	1,550	192	..	
Excess over the original sanction ..	..	..	..	..	..	690	690	..	

* Of which—

	RS.
1. Cost of quarters	1,830
Telephone	410
Total ..	2,240
2. Cost by sub-head—	
K. Buildings	2,230
O. Miscellaneous	10
Total ..	2,240

III

Endorsement by the Chief Engineer for Irrigation, R.O.C. No. 2161/11, dated 3rd October 1911.

Submitted to Government with the recommendation that the revised estimate received with the Superintending Engineer's letter read above be sanctioned.

2. It is reported that when the walls of the proposed quarters had been raised and the roof timbers and reepers fitted up, heavy rains set in with the result that the rear main wall collapsed and the remainder of the building was so badly cracked as to necessitate dismantling it to basement level. As the reconstruction was necessitated by an accident, the Superintending Engineer states that its cost is not a legitimate charge on the work and that a sum of Rs. 610 should be written off with reference to paragraph 919, rule I (*h*) of the Public Works Department Code, Volume I, in order that the capital cost of the quarters may not be excessive. His proposal may be approved; but the correct amount to be written off works out to Rs. 630 as shown in the appended statement and not Rs. 610 as reported by the Superintending Engineer—

	RS.
Cost of work demolished—	
980 cubic feet of rough stone in mortar, item No. 2 in the comparative statement at Rs. 16–8–0 per 100 cubic feet	149
2,484 cubic feet of rough stone in mud, item No. 3 at Rs. 14–12–0 per 100 cubic feet	366
Cost of demolition, item No. 8 in the comparative statement	30
Cost of plastering 16·00 units already done, item No. 16 in the comparative statement at Rs. 1–8–0	24
13·51 units of roofing, item No. 26, in the comparative statement at Rs. 11–12–0	159
Supervision charges in proportion to the allowance made under item No. 34 in the comparative statement	18
Total ...	746
Deduct value of quantity of materials used in rebuilding the work—	
Cost of 880 cubic feet of roughstone at Rs. 5–0–0 per 100 cubic feet ...	44
Cost of $\frac{2}{3}$ flat and pan tiles in the roof of 13·51 squares at Rs. 5–5–4 per square	72
Total ...	116
Net amount to be written off ...	630

against Rs. 610 calculated by the Superintending Engineer.

H. E. CLERK,
Chief Engineer for Irrigation.

To the Joint Secretary to Government, P.W.D., Irrigation,
with the Superintending Engineer's letter
and enclosures in original.

Order—No. 326 I., dated 19th October 1911.

The revised estimate, amounting to Rs. 2,240 * for "Works" or Rs. 2,755 including establishment charges, for constructing quarters with telephone room for the Sub-Overseer at Kallandri, Periyar system, is sanctioned in supersession of the estimate of Rs. 1,878 for the work sanctioned in G.O. No. 434 I., dated 23rd November 1908.

	RS.
* Sub-Overseer's quarters	1620 ~~1,830~~
Telephone room	~~410~~ 620
Total ...	2,240

2. This sanction is registered as No. 55 I of 1911–1912 and will expire on the 31st March 1912.

3. The recommendation made in paragraph 2 of the Chief Engineer's endorsement read above is approved.

4. Ordered that copy of these Proceedings will be forwarded to the Government of India for information with reference to paragraph 919, Rule I (*h*) of the Public Works Department Code, Volume I.

(Here enter No. 327 I., dated 19th October 1911.)

(True Extract.)

H. E. CLERK,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
,, Superintending Engineer, VI Circle, with plans and estimates.
,, Accountant-General, Madras.

Endorsement—No. 327 I., dated 19th October 1911.

Forwarded.

(By Order.)

H. E. CLERK,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

Bd

2/8

From the Supg Engr, VI Circle, dy 27.7.11, No 821 CE

pp 1 to 69 Cf.

Endorsement by the Chief Engineer for Irrgn
ROC No 2161/11 dy 3.10.911.

CURRENT No. 1517
PASSED ON BY
R. C. 3/10
U. R. C.
REF.
R. K.
D. O.

Submitted to Govt with the recommendation that the revised estimate received with the Supg Engr's letter read above be sanctioned.

p 3 of Cf

2. It is reported that when the walls of the proposed quarters had been raised and the roof timbers and reepers fitted up, heavy rains set in with the result ~~that the walls either completely fell down or were cracked in several places. The walls & the roof were therefore dismantled~~ that the rear main wall collapsed and the remainder of the building was so badly cracked as to necessitate dismantling it ~~the building~~ to basement level had to be

3/60

8/9 9 98

~~and reconstructed.~~
As the reconstruction was necessitated by ~~[struck through]~~ an accident, the S.E. states that its cost is ~~will be no~~ not a legitimate charge on the work and that a sum of Rs 610 should be written off with reference to para 919 – Rule I (h) of the P.W.D. Code, Vol I, in order that the capital cost of the Quarters may not be excessive. His proposal may be approved; but the correct amount to be written off works out to Rs 630/ as shewn in the appended statement and not Rs 610/. as reported by the Supg Engineer.

p 20 of C.f.

326

[initials] 4.9.11

[initials] 4.9.11

[initials] 6.9.11

[initials] 3/10/11

To The Joint Secy to Govt PWD
with the SE's letter & enclos: in original

DE)

E)

Lw/

10.88

Cost of work demolished

980 cft of roughstone in mortar Item No 2 in the Comp. Statt.	@ 16/8/0 per % cft.	149.
2484 cft — do — do — in mud (Item 3) @ 14/12/-	~~3~~	366
Cost of demolition Item 8 in Comp. Stt.		30
Cost of plastering 16.00 units already done Item 16 in Comp. Statt.	1/8/-	24
13.51 units of roofing item 26. — do — @ 11/12/-		159.
Supervision charges in proportion to the allowance made under item 34 in Comp. Statt.		18
	Total.	746

Deduct value of quantity of materials used in rebuilding the work.

Cost of 880 cft of roughstone @ 5/-/- per % cft.	44.	
Cost of 2/3 flat + pan tiles in the roof of 13.51 sqrs. at Rs 5-5-4 per sqr.	72	116
Net amount to be written off.		630

against Rs 610 calculated by the E.

Kw 13/9/11 My 13.9.11

316

11

SUBJECT.– Revised estimate of Rs 2260 for 'works' for constg: quarters with telephone room for the suboverseer at Kallandri, Royar System.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

CNo 2161/11

PROCEEDINGS OF THE MADRAS GOVERNMENT.

again
READ the following

G.O. No 434-I dy 23.11.08.

Read also

From the Supg Engr, VI Circle, dy 27.7.11, No 8212
Endorst by the Chief Engr for Irrign dy 3.10.11, Rec No 2161/11

Order No. 326-I. Dy 19-10-1911.

The revised estimate amounting to Rs 2260 (x) for 'works' or Rs 2755 including estabt charges, for construction quarters with telephone room for the subordinate at Kallandri, Royar System, is sanctioned in supersession of the estimate of Rs 1878 for the work sanctioned in G.O. No 434-I dated 23rd Novr 1908.

(x) Subovseer's quarters Rs ~~1830~~ 1620
Telephone room ~~410~~ 620
2240

x The corrections in Red ink have been made as per G.O. No 90-I 3-2-13

17.3.13

flag 6

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2 12 12

2 This sanction is registered as No 55 I of 1911-1912 and will expire on the 31st March 1912.

3 The recommendation made ~~proposal of the Supdg Engr referred to~~ in para 2 of the Chief Engr's endsmt read above is approved. ~~and a~~

4 Ordered that Copy of these Proceedings will be forwarded to the E.g. I for information with reference to para 919 – Rule I (h) of the PWD Code, Vol I.

pp 78 of C.f.

Endsmt No. 327-I Dy 19-10-1911

Forwarded.

Issue

4.9.11.

22.12.11

4.9.11

6.9.11

3/10/11

To
The Chief Engr. for Irrign ✓ D
" Supdg Engr, VI Circle, ✓ D 20/10/11
with plan & estes, ✓ HS
" Acctt Genl, Madras ✓

Ex 10-10-11 Ordinary Press

14/10

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